• $p(A/B) = \dfrac{p(A \cap B)}{p(B)}$

$$p(A \cap B) = \frac{C_1^1 \times C_2^1 + C_2^1 \times C_2^2 + C_1^1 \times C_2^2 + C_2^2 \times C_2^1}{C_{10}^3}$$

$$= \frac{1}{20}$$

Ainsi $\boxed{p(A/B) = \dfrac{\frac{1}{20}}{\frac{5}{6}} = \dfrac{3}{50}}$

• $\boxed{p(\bar{A}/B) = 1 - p(A/B) = \dfrac{47}{50}}$

b) $A \cap C = (N_0, N_1, N_{-1})$

$$\boxed{p(A \cap C) = \frac{C_1^1 \times C_1^1 \times C_1^1}{C_{10}^3} = \frac{1}{120}}$$

• $\boxed{p(A \cup C) = p(A) + p(C) - p(A \cap C)}$

$$= \frac{1}{20} + \frac{1}{5} - \frac{1}{120} = \frac{29}{120}$$

• $\boxed{p(A/C) = \dfrac{p(A \cap C)}{p(C)} = \dfrac{1}{24}}$

• $p(A/\bar{C}) = \dfrac{p(A \cap \bar{C})}{p(\bar{C})}$

Qarray.tn -Agra Blech- Qarray.tn